CATERPILLAR®

Service Repair Manual

Models

297D2 MULTI TERRAIN LOADER

Disassembly and Assembly
C3.8 Engines for Caterpillar Built Machines

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i04770500

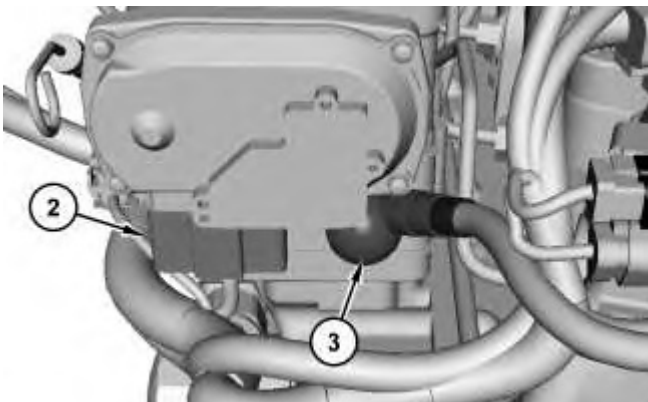# Air Inlet Heater - Remove and Install

SMCS - 1090-010

Removal Procedure

Illustration 1   g02870556

1. Disconnect harness assemblies (1).

Illustration 2   g02870616

2. Disconnect harness assembly (2) and cable assembly (3).

Illustration 3   g02870576
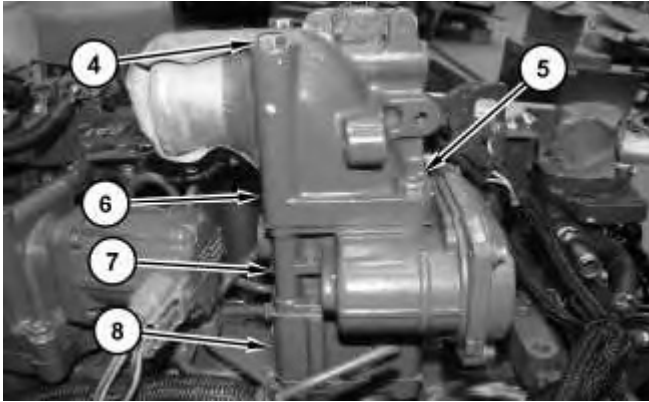
3. Remove bolts (4) and bolts (5). Remove flange (6), valve assembly (7), air inlet heater (8), and the gaskets.

Installation Procedure

1. Install new gaskets, air inlet heater (8), valve assembly (7), and flange (6) in the reverse order of removal.

   a. Tighten the nut for cable assembly (3) to a torque of 4.4 ± 0.9 N·m (38.9 ± 8.0 lb in).

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Disassembly and Assembly
C3.8 Engines for Caterpillar Built Machines

i06617508

Inlet Manifold - Remove and Install

SMCS - 1058-010

Removal Procedure

Start By:

 a. Remove the fuel injection manifold.

 b. Remove the intake air heater.

 c. Remove the exhaust gas valve.

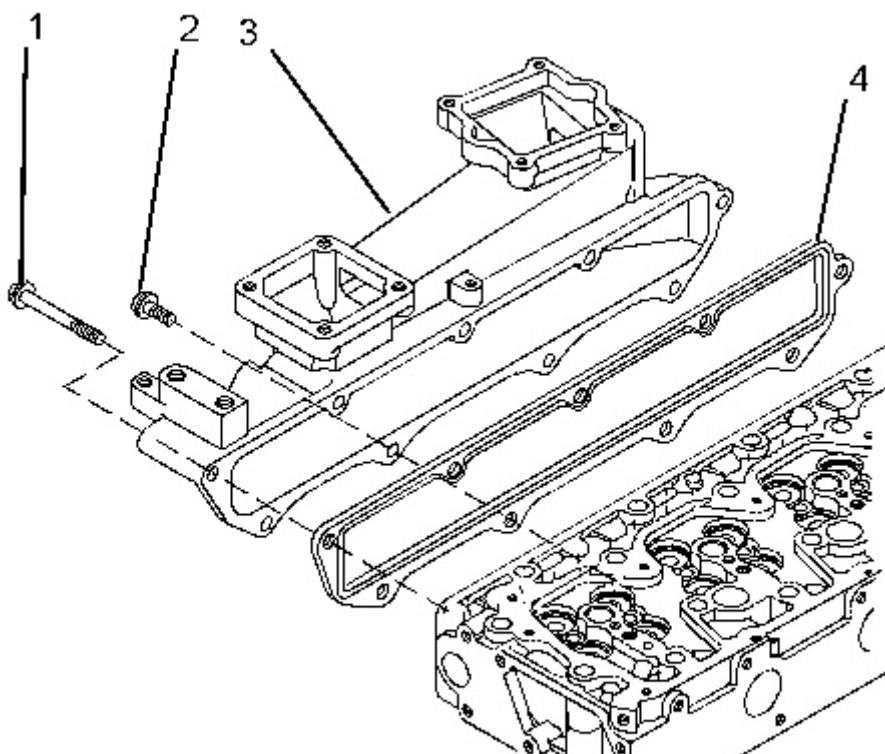Illustration 1   g02858877

1. Remove bolts (1) and bolts (2). Remove inlet manifold (3) and gasket (4).

Installation Procedure

1. Install inlet manifold (3) in the reverse order of removal.

End By:

a. Install the exhaust gas valve.

b. Install the intake air heater.

c. Install the fuel injection lines.

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